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A vertical boring and turning mill was perfected recently. Its working table is 100 meters in area. Even larger vertical boring and turning mills are now in production.

In 1952, more than 140 models of universal and specialized machine tools were perfected.

At present, equipment is being developed for the automatized machining of a number of consumer items.

BUILD NINE NEW MODELS OF MACHINE TOOLS -- Kishinev, Sovetskaya Moldaviya, 7 Aug 53

The Moscow Machine-Tool-Building Plant imeni Ordzhonikidze has built nine new models of machine tools since the beginning of 1953. These models include high-speed bar-type automatics, four-spindle cut-off automatics, special machine tools for the petroleum industry, and new-design universal multitool semiautomatics.

The plant also has mastered the production of heavy boring machines weighing more than 60 tons.

ACHIEVEMENTS AT VITEBSK PLANTS -- Stalinabad, Kommunist Tadzhikistana, 14 Aug 53

The Vitebsk Machine-Tool-Building Plant imeni Kirov has celebrated its 35th anniversary.

In the postwar years alone, the plant mastered the production of 30 new types of metal-cutting and stone-processing machines.

Labor consumption in the manufacture of each machine tool has been reduced on an average of 600 hours as compared with 1952.

Minsk, Sovetskaya Belorussiya, 15 Aug 53

In accordance with the directives of the 19th Party Congress, the Vitebsk Machine-Tool-Building Plant imeni Komintern is taking a number of measures to improve the design of machine tools it manufactures. It is working on the introduction of an advanced technological process; on supplementing its production with special high-production accessories; on using new types of cutting tools and measuring and checking instruments; and on improving the methods and quality of controlling products.

Besides producing series-produced machine tools, the plant also manufactures special machine tools in small groups.

The plant fulfilled its program for 1952 and first half of 1953 ahead of schedule in gross and commodity production and in quantity of machine tools produced. The plant also fulfilled its products-list plan and the plan for the manufacture of special and new models of machine tools for this period. In 1952, the plant did not work at an even rate, having at times produced up to 90 percent of its monthly quota in the last third of the month. This situation has been improved in 1953, however, by more accurate organization of the production process and by an improvement in the quality of machine tools manufactured.

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Formerly, the plant had serious shortcomings in the organization of production for new machine tools. Now, the work of the Division of the Chief Technologist has been organized according to a schedule so that work in the modernization of the technological process of manufacturing series-produced machine tools is carried on simultaneously with the development of technical documentation for new models.

Close ties have been established between the manufacturing plant and consumer plants. On the basis of their reports, the manufacturing plant incorporates changes in the design of its machine tools. For example, it recently changed the design of its nut-threading automatics.

Work at the foundry has been improved. Until recently, rejects here reached 30-40 percent. A new technology was developed for the manufacture of the column for radial drilling machines. Instead of vertical molding of this part, it is now horizontally molded and cast, as a result of which rejects have been decreased to 4-7 percent.

Sometimes the grinding of holes in gears after heat treatment produced rejects. By introducing high-frequency-current hardening of gears, the need for grinding the holes was eliminated.

A great deal of attention is being given at the plant to providing the Division of Technical Control with a full complement of qualified personnel. Formerly, there were many sections staffed with untrained workers. These workers now have been replaced by technicians. -- I. Nikanorov, director, Vitebsk Machine-Tool-Building Plant imeni Komintern

INCREASES 1953 OUTPUT OF MACHINE TOOLS -- Tbilisi, Zarya Vostoka, 16 Aug 53

The Tbilisi Machine-Tool-Building Plant imeni Kirov increased its output of metal-cutting machine tools in the first half of 1953 by 9.1 percent as compared with the same period of 1952.

MOSCOW PLANT LOWERS COSTS -- Moscow, Moskovskiy Komsomolets, 19 Aug 53

In 7 months of 1953 the Moscow Krasnyy Proletariy Plant lowered the cost of manufacturing its products by 5.1 percent as compared with 1952. Its assignment was to reduce this cost by 3.8 percent.

Since the beginning of the year, the plant has manufactured and introduced in production about 1,400 new high-production dies and attachments. Two new conveyor lines for assembling and painting screw-cutting lathes have been put into operation.

By lowering the cost of manufacturing its product in excess of plan, the enterprise made 15.2 percent profit in excess of plan in the first half of 1953.

FAILS TO FULFILL STATE PLAN -- Vil'nyus, Sovetskaya Litva, 27 Aug 53

The Vil'nyus Zhal'giris Machine-Tool-Building Plant failed by 21 percent to fulfill the state plan.

Glavstankoprom (Main Administration of Machine Tool Building Industry) and the Ministry of Machine Building has not been giving the plant adequate assistance. The plant does not have a full complement of machine-tool-building personnel. The technical equipment for producing milling machines according to plan is inadequate. There is a big shortage of skilled workers, engineers, and technicians at the plant. -- V. I. Pashko

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TRIPLES PRODUCTION IN 2 YEARS -- Minsk, Sovetskaya Belorussiya, 29 Aug 53

The Kramatorsk Heavy-Machine-Tool-Building Plant is now producing heavy machine tools at three times the 1951 rate.

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